

1                   CLAIM LISTING

2       1. (Currently Amended) A medical device comprising:  
3                   a stud configured to project percutaneously outward through a patient's skin  
4                   layers;  
5                   said stud defining an outer end and having a longitudinal peripheral surface  
6                   extending inwardly from said outer end;  
7                   said peripheral surface having a longitudinal porous layer thereon for promoting  
8                   soft tissue ingrowth;  
9                   a shoulder surface oriented substantially perpendicular to said stud peripheral  
10                  surface and located inwardly from said stud outer end and from said longitudinal porous  
layer; and wherein  
11                  said shoulder surface has a lateral porous layer thereon oriented substantially  
12                  perpendicular to said longitudinal porous layer for promoting soft tissue ingrowth.  
13  
14       2. (Original) The medical device of claim 1 wherein at least one of said porous  
15                  layers is characterized by a pore size within the range of 50 to 200 microns with a porosity of  
16                  between 60 to 95%.  
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18       3. (Original) The medical device of claim 1 wherein at least one of said porous  
19                  layers comprises a mesh of fibers.  
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21       4. (Original) The medical device of claim 1 wherein at least one of said porous  
22                  layers comprises a mass of sintered material.  
23  
24       5. (Original) The medical device of claim 3 wherein said fibers are of metal  
25                  material from within a group comprised of titanium, nitinol, silver, and stainless steel.  
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27       6. (Original) The medical device of claim 3 wherein said fibers are of polymeric  
28                  material.

1       7.     (Original) The medical device of claim 4 wherein said mass is formed of metal  
2 material from within a group comprised of titanium, nitinol, silver, and stainless steel.

3       8.     (Original) The medical device of claim 4 wherein said mass is formed of  
4 polymeric material.

5       9.     (Original) The medical device of claim 1 wherein said stud carries means for  
6 promoting healing.

7       10.    (Withdrawn) The medical device of claim 1 wherein said stud carries a sound  
8 generator and is configured to percutaneously project into a patient's ear canal.

9       11.    (Withdrawn) The medical device of claim 1 wherein said stud comprises a  
10 portion of an implanted catheter providing access to an interior body site.

11      12.    (Withdrawn) The medical device of claim 1 wherein said stud includes a sensor  
12 coupled to an interior body site.

13      13.    (Original) The medical device of claim 1 further including a transitional layer  
14 mounted on said stud between said stud outer end and said longitudinal layer.

15      14.    (Original) The medical device of claim 1 further including a cap configured for  
16 mounting on said stud outer end.

17      15.    (Original) The medical device of claim 1 wherein said porous layers are formed  
18 of biocompatible material.

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1       16. (Currently Amended) A method of configuring an implantable medical device  
2 with a portion adapted to project percutaneously comprising the steps of:

3              providing a longitudinally projecting stud on said device having an outer end  
4 and a peripheral surface extending longitudinally inward from said outer end;

5              providing a laterally projecting shoulder surface on said device located inwardly  
6 from and oriented substantially perpendicular to said stud peripheral surface; and

7              forming a lateral porous layer on said stud peripheral surface and said shoulder  
8 surface and a longitudinal porous layer on said peripheral surface for conducive to promoting  
tissue ingrowth and for establishing an infection resistant barrier.

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10       17. (Original) The method of claim 16 wherein said step of forming a porous layer  
11 comprises forming the layer with a pore size within a range of 50 to 200 microns with a  
12 porosity of between 60 to 95%.

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14       18. (Original) The method of claim 16 wherein said step of forming a porous layer  
comprises forming at least a portion of said layer with a fiber mesh.

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16       19. (Original) The method of claim 16 wherein said step of forming a porous layer  
17 comprises forming at least a portion of said layer with a mass of sintered material.

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19       20. (Original) The method of claim 16 wherein said porous layer is formed at least  
20 in part of metal material from within a group comprised of titanium, nitinol, silver, and  
stainless steel.

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23       21. (Original) The method of claim 16 wherein said porous layer is formed at least  
in part of polymeric material.

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